MOHD WASEEQ ZAFAR

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GitHub | LinkedIn | LeetCode

Summary

Spring Boot developer with a focus on scalable backend development using technologies such as messaging systems, RPC protocols, in-memory databases, and containers. Experienced in deploying and maintaining services on AWS (EC2, Load Balancer, Auto Scaling, CloudFront). Proficient in streamlining backend processes, implementing authentication, and coordinating technical teams. Communicates in Hindi and English, supporting effective collaboration. Skilled in API integration, service communication, and maintaining high system availability.

Education

Vellore Institute of Technology — Chennai
B.Tech, Computer Science and Engineering — September 2022 - Present

Kendriya Vidyalaya — Shillong
Higher Secondary — April 2021 - July 2022

Experience

VITC Robotics Club | Management Head — Chennai | April 2024 - July 2024

- Organized and coordinated 6+ large events, coordinating logistics for venues with up to 500 attendees, creating detailed schedules, and overseeing setup operations.
- Produced comprehensive event reports, analyzing outcomes for continuous improvement, resulting in a 25% increase in attendee satisfaction and addressing 95% of issues within 24 hours post-event.

VITC Fest | Organizing Committee Member — Chennai | March 2024 (4-day event)

- Managed 20 stalls at a large-scale event, ensuring efficient layout and operations while maintaining 98% compliance with food hygiene and safety regulations.
- Coordinated crowd control for over 5,000 attendees, promptly resolving issues and ensuring smooth event operations from start to finish.

Skills

Core Concepts:	DSA, Operating Systems (OS), Computer Networks (CN), DBMS, OOP
Programming Languages:	Java, Python, C++
Libraries/Frameworks:	Spring Boot
Tools/Platforms:	Git, AWS, Postman, Docker
Databases:	PostgreSQL, MongoDB, Redis

Projects

S.W.E.N.S | Link — **Spring Boot · React.js · Kafka · gRPC· Redis · Polyglot Persistence**

- Architected a full-stack microservices system (S.W.E.N.S.) using 6 Spring Boot services and a React.js frontend to enable real-time workflow automation and notifications.
- Implemented gRPC-based communication between services for efficient, low-latency RPC calls, reducing inter-service response time by up to 50% and significantly enhancing system scalability.
- Built a secure authentication service using JWT (access + refresh tokens) and Redis for session caching, ensuring stateless and scalable user validation while reducing average login response time by 35%.
- Developed event-driven Task and Workflow services with MongoDB and Kafka, enabling flexible state transitions and improving modularity and deployment flexibility by 50%.
- Integrated an email notification service that consumed Kafka events and triggered real-time task alerts via Spring Mail (SMTP), resulting in a 40% improvement in task response time.
- Engineered a polyglot persistence layer using PostgreSQL, MongoDB, and Redis, decreasing data retrieval latency by 60% and boosting overall application performance by 35%.

Patient Management | Link — **Spring Boot · gRPC · Kafka · Docker · AWS**

- Designed and implemented a cloud-native Patient Management System using microservices and gRPC, with secure authentication and billing, achieving a 40% reduction in API response time.
- Integrated real-time analytics using Kafka for event-driven communication between Patient and Analytics services, enabling data-driven decision-making and reducing report generation time by over 60%.
- Automated deployment on AWS using Docker, Docker Compose, and Infrastructure as Code (IaC), improving deployment speed by 70%, enhancing scalability, and reducing manual configuration errors by 90%.

Certifications

SQL for Data Science: Coursera
AWS CCP CLF-C02: Udemy
Wallmart ASE: Forage
Data Visualisation: Forage